

MEASUREMENT BOOK

No.	Dimensions			Contents	Reference to last Measurement
	Length 4	Breadth 5	Depth 6		
				7	8
		IT-10503			
		KT-42014			
		FD-57369			
		WR-10503			
		USP-1050			
		121839			

First & Final Bill

SBRNO-82/16-17

28-7-16

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

190075

Serial No.
 Name of work.
 Name of Contractor of nature of Agency.
 Date of commencement of work.

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Work code No.	010-16-000027					
	Head of Account	P-1771					
	Administrative Approval No.	AS/EE(BTP)/204/15-16					
	Technical Sanction No.	SE/EE(BTP)/213/15-16					
	Work order No.	BBMP/EE/BTP/WO/43/2016-17					
	Address of Agency	# 24, 1st floor, 7th cross 1st main, Mandagokula Extn Bangalore - 45					

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	1) Earth work excavation by manual means in ordinary soil involving an average horizontal throw upto 2meters and an average lift upto 0.5m, excavated surface leveled and sides neatly dressed, the disposed earth to be leveled neatly after breaking of clods etc complete as per specifications						
	<u>Desilting of drain</u>	25	30.00	0.45	0.35	= 9.45 cum	
		2	30.00	0.45	0.35	= 9.45 cum	
		2	18.00	0.45	0.35	= 5.89 cum	
	<u>Raja Beedi</u>	1	18.65	0.65	0.45	= 4.62 cum	
		1	21.10	0.55	0.45	= 5.22 cum	
		1	2.95	0.65	0.45	= 0.73 cum	
		1	3.70	0.55	0.45	= 0.92 cum	
		1	22.50	0.55	0.45	= 5.57 cum	
	<u>OPP. Medical Ramen</u>	1	8.70	0.75	0.45	= 2.94 cum	
	<u>House</u>	1	18.60	1.00	0.60	= 11.16 cum	
		1	23.35	1.00	1.00	= 23.35 cum	
					Total =	79.38 cum	

1901

M.A.

M

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3
	2) providing and laying in OPC cement @ 180 Kgs w coarse aggregates @ 0.8 machine mixed, concrete well compacted, in four layers. Labour 100 specifications and	

Dimensions				Contents	Reference to last Measurement
Length	Breadth	Depth			
4	5	6	7	8	
manual means in ordinary soil involving work upto 2 meters and an average lift face leveled and sides neatly dressed, leveled neatly after breaking of clods					
30.00	0.45	0.35	=	9.45 cum	
30.00	0.45	0.35	=	9.45 cum	
18.00	0.45	0.35	=	5.99 cum	
18.65	0.65	0.45	=	4.62 cum	
21.10	0.55	0.45	=	5.22 cum	
2.95	0.65	0.45	=	0.73 cum	
3.70	0.65	0.45	=	0.92 cum	
22.50	0.65	0.45	=	5.57 cum	
8.70	0.75	0.45	=	2.94 cum	
18.60	1.00	0.60	=	11.16 cum	
23.35	1.00	1.00	=	23.35 cum	
Total =				79.38 cum	

Date of commencement of work.....							
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CPJ Mehra ಕೆ.ಪಿ. ಜಿ. ಮೆಹರಾ ಕೆ.ಪಿ. ಜಿ. ಮೆಹರಾ	Qty limited to Tender = 79.20 cum					
		RS 80.00					RS 6336.00
2)	providing and laying in position plain cement concrete of mix 1:4:8 OPC cement @ 180 kgs with 40mm and down size graded granite meta coarse aggregates @ 0.85 cum and fine aggregates @ 0.57 cum machine mixed, concrete laid in layers not exceeding 15cm thickness well compacted, in foundation and plinth, including cost of all materials, labour, 10% of machinery, curing etc complete as per specifications and direction.						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
1)	<u>Raga Beeds</u>	L ✓	18.65	0.55	0.15 =	1.54 Cum	
		L ✓	21.10	0.55	0.15 =	1.74 Cum	
		L ✓	2.85	0.55	0.15 =	0.24 Cum	
		L ✓	3.70	0.55	0.15 =	0.31 Cum	
		L ✓	22.50	0.55	0.15 =	1.86 Cum	
	<u>OPP Medical House</u>	L ✓	8.70	0.75	0.15 =	0.98 Cum	
	<u>Rameti</u>	L ✓	18.60	1.00	0.15 =	2.79 Cum	
		L ✓	23.35	1.00	0.15 =	3.50 Cum	
					Total =	12.96 Cum	
					Qty limited to tender =	12.63 Cum	
					Rs 5000.00	Rs 63150.00	
					<u>Zeelha</u> AE		
	3) Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and/or welding wherever required, tying with binding wire and anchoring to the adjoining						

100% T.M.T. reinforcement
 approved by
 20/10/2020-970

Serial No.....
 Name of work.....
 Name of Contractor of nature of Agency.....
 Date of commencement of work.....

Date 1	Full description, etc, of work 2
	members wherever and wastage shall be labour. ROM of
	Qty used previous of this M.B. No

Dimensions				Contents 7	Reference to last Measurement 8
Number 3	Length 4	Breadth 5	Depth 6		
L ✓	18.65	0.55	0.15 =	1.54 Cum	
L ✓	21.60	0.55	0.15 =	1.74 Cum	
L ✓	2.85	0.55	0.15 =	0.24 Cum	
L ✓	3.70	0.55	0.15 =	0.31 Cum	
L ✓	22.50	0.55	0.15 =	1.86 Cum	
L ✓	8.70	0.75	0.15 =	0.98 Cum	
L ✓	18.60	1.00	0.15 =	2.79 Cum	
L ✓	23.35	1.00	0.15 =	3.50 Cum	
Total =				12.96 Cum	
Qty limited to tender =				12.63 Cum	
Rs 5000.00					
					Rs 63150.00
				Jeeha	
				AB	
reinforcement for R.C.C work including bending, hooking, placing in position, lading wherever required, tying with anchoring to the adjoining					

Measurement Book						No. A/11	193077
Serial No.....							
Name of work.....From.....To.....							
Name of Contractor of nature of Agency.....							
Date of commencement of work.....							
Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of material, labour. ROM of complete as per specifications.						
	Qty vide premeasurements page no - 190093 of this M.B. No - 1801					= 1660H	
	R Rs 69000.00					R 114585.00	
						<u>Zadha</u> <u>AB</u>	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	u) providing and removing centering, shuttering, strutting, propping etc, and removal of form work for vertical surface such as walls of any thickness, including attached Pilasters, buttresses, plinth and string courses cost of all materials etc complete as per specifications						
	<u>Raja Beedi</u>	u	18.65		0.40 = 28.84 Sqm		
		u	21.18		0.40 = 33.76 Sqm		
		u	2.95		0.40 = 4.72 Sqm		
		u	3.70		0.40 = 5.92 Sqm		
		u	22.50		0.45 = 40.50 Sqm		
	<u>OPP. Medical Range</u>	u	8.70		0.30 = 10.44 Sqm		
	<u>Roof</u>	u	18.60		0.45 = 33.48 Sqm		
		u	23.35		0.60 = 66.00 Sqm		
					Total = 214.70 Sqm		
					Qty limited to max = 211.20 Sqm		
						Rs 300.00	

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ಮಾನ್ಯ ಮಂತ್ರಿ
ಮಾನ್ಯ ಸಚಿವರು
ಬೆಂ. ಮ. ಕಾ. ವಿಭಾಗ

P 63360.00

Serial No.....
Name of work.....
Name of Contractor of nature of
Date of commencement of work

Date 1	Full description, etc, of work 2
	5) providing and design mix M20 graded granite aggregates @ machine mixed vibrated for all roof slabs, stairs including all struts, buttresses anchor blocks

Dimensions			Contents	Reference to last Measurement
Length	Breadth	Depth		
4	5	6	7	8
entering shuttering, strutting, of form work for vertical any thickness, including attached and string courses			cost of all	per specification
8.65			0.40 = 28.84 Sqm	
1.10			0.40 = 33.76 Sqm	
1.85			0.40 = 4.72 Sqm	
1.70			0.40 = 5.92 Sqm	
2.50			0.45 = 40.50 Sqm	
1.70			0.30 = 10.44 Sqm	
8.60			0.45 = 33.48 Sqm	
3.35			0.60 = 56.04 Sqm	
Total =			214.70 Sqm	
Qty limited to area =			211.20 Sqm	
300.00				Rs 300.00

P 63365-00

Date of commencement of work.....							
Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
5)	providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 320 kgs, with 20mm and down size graded granite metal, coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum with superplasticisers @ 3lts confirming machine mixed, concrete laid in layers not exceeding 150mm thick vibrated for all works in foundation plinth and ground-floor level for roof slab, staircase, lintel retaining walls walls (any thickness) including attached plaster, column piers abutments, pillars, posts struts, buttresses, stony or lacing courses. parapets, coping, bed block anchor blocks, plain window cills, fillets etc						

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	<u>Bottom concrete</u> <u>Rasa Beedi</u>	L	18.65	0.55	0.15 =	1.54 Cu m	
		L	21.10	0.55	0.15 =	1.74 Cu m	
		L	2.95	0.55	0.15 =	0.24 Cu m	
		L	3.70	0.55	0.15 =	0.31 Cu m	
		L	22.50	0.55	0.15 =	1.86 Cu m	
	<u>OPP Medical Room</u> <u>House</u>	L	8.70	0.75	0.15 =	0.98 Cu m	
		L	18.60	1.00	0.15 =	2.79 Cu m	
		L	23.35	1.00	0.15 =	3.50 Cu m	
	<u>Side walls</u> <u>Rasa Beedi</u>	2	18.65	0.15	0.35 =	1.96 Cu m	
		2	21.10	0.15	0.35 =	2.22 Cu m	
		2	2.95	0.15	0.35 =	0.31 Cu m	
		2	3.70	0.15	0.35 =	0.39 Cu m	
		2	22.50	0.15	0.35 =	2.38 Cu m	
	<u>OPP Medical Room</u> <u>House</u>	2	8.70	0.15	0.30 =	0.78 Cu m	
		2	18.60	0.15	0.50 =	2.79 Cu m	
		2	23.35	0.15	0.60 =	4.20 Cu m	

1901

Serial No.....
Name of work.....
Name of Contractor of nature.....
Date of commencement of work.....

Date	Full description, etc
1	2

6)

Providing and
1:2:4 with
granite m
@ 0.459 cu
16cm thick
including

MEASUREMENT BOOK

Sl. No.	Dimensions			Contents	Reference to last Measurement
	Length 4	Breadth 5	Depth 6		
18.65	0.55	0.15 =	1.54 Cum		
21.10	0.85	0.15 =	1.74 Cum		
2.95	0.55	0.15 =	0.24 Cum		
3.70	0.85	0.15 =	0.31 Cum		
22.50	0.55	0.15 =	1.85 Cum		
8.70	0.75	0.15 =	0.98 Cum		
18.60	1.00	0.15 =	2.79 Cum		
23.35	1.00	0.15 =	3.50 Cum		
18.65	0.15	0.35 =	1.96 Cum		
21.10	0.15	0.35 =	2.22 Cum		
2.95	0.15	0.35 =	0.31 Cum		
3.70	0.15	0.35 =	0.39 Cum		
22.50	0.15	0.35 =	2.38 Cum		
8.70	0.15	0.30 =	0.78 Cum		
18.60	0.15	0.50 =	2.78 Cum		
23.35	0.15	0.60 =	4.20 Cum		

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

190079

Serial No.....

Name of work.....From.....To.....

Name of Contractor or nature of Agency.....

Date of commencement of work.....

Date	Full description, etc., of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
						Total = 27.97 Cum	
						Qty limited to Tender = 27.72 Cum	
						RS 161001.00	
						Zadha	
6)	Providing and Laying in position Plain cement concrete of mix 1:2:4 with Cement @ 240 kg with 20mm and down size graded granite metal coarse aggregates @ 0.878 cum and fine aggregates @ 0.459 cum, machine mixed, concrete laid in layers not exceeding 15cm thick, well compacted in foundation, plinth and Colls. including cost of all material.						

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Serial No.....	Name of work.....	Name of Contractor of nature of work.....	Date of commencement of work.....
1	2		
	Full description, etc, of work		
		<u>opp Medical Research</u> <u>House</u>	
		Office memo ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಮಾರ್ಗದರ್ಶಕರು ಯಾಲಕರ್ ಬಿ. ಬಿ. ಸಿ. ಸಿ.	

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	8) Providing chamfering edges to stone slab as per specifications. Chamfered length shall be recorded etc complete as per specifications and direction of engineer	147	3.00			Rate = 441.00/m	
						= 440.00/m	
	9) Providing two line dressing to granite stone slab/granite stone masonry as per specifications etc					RS 15400.00	
	Qty vide Item no - 07					= 79.20 Sqm	
	@ RS 300.00					RS 71280.00	

C4 re
masonry
Rate not quoted
as per spec.

Serial No.....
Name of work.....
Name of Contractor of nature of Age.....
Date of commencement of work.....

Date	Full description, etc, of work
1	2
10)	Lead for disposal rates by mecha From 0.00 to 11.00 Qty vide

Dimensions				Contents	Reference to last Measurement
Number	Length	Breadth	Depth		
3	4	5	6	7	8
edges to stone slab 75cm. wide all any chartered length shall be recorded certification and direction of engineer					
U7	3.00			Rate = 441.00/m	
Qty limited to Tender				= 440.00/m	
@ RS 3500					RS 15400.00
cessing to granite stone slab/granite stone refutation) etc					
Item No - 07				= 79.20/m	
300.00					RS 71280.00

193081

Date of commencement of work.....							
Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
10)	lead for Disposal of Debris Shall be Payable at Carriage rates by mechanical means including loading and unloading from 0.00 to 11.90 km etc complete as per specifications. Qty vide Item NO-01 @ RS 100/-00					~~78.20 cum~~ ~~RS 7820.00~~ Total RS <u>575104.00</u> <u>30000</u> ~~575055.00~~ AE 11/7/2016	

1901

MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	<u>Certificate;</u> certified that the above work done satisfactory and no materials issued from departmentally <u>Zodha</u> <u>AE: 11/7/2016</u>						

ಮಹಾಶಿವರಾತ್ರಿ
 ವಿಜಯದ್ವಾರದ ಬಳಿ
 ಮಲಪುರಂ ನಗರ
 ಬಿ. ಬಿ. ಮ. ಕೆ. ಬೆಂಗಳೂರು-97.

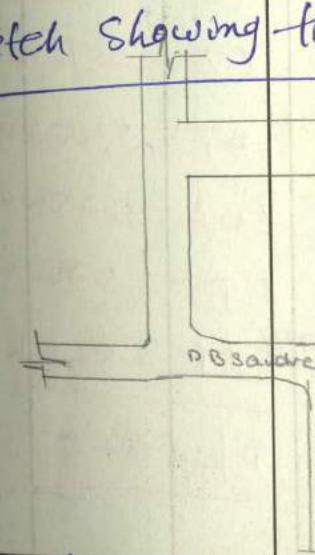
M.

Serial No.....

Name of work.....

Name of Contractor of nature of Agency.....

Date of commencement of work.....

Date 1	Full description, etc, of work 2	Number 3
	<u>Sketch showing the</u> 	

Zodha
AE 11/7/2016

REMENT BOOK

Dimensions			Contents	Reference to last Measurement
Length 4	Breadth 5	Depth 6		
			7	8
work done Sal's factory and om departmentally ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧೀನದಲ್ಲಿ ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ ಯಲಹೋಕ ನಂದಿ, ಬಿ. ಬಿ. ಮ. ಕಾ. ಬೆಂಗಳೂರು-97.				

M.A.R. 57 (Rule 116)

Measurement Book

No. A/11

190082

Serial No.....
 Name of work.....From.....To.....
 Name of Contractor of nature of Agency.....
 Date of commencement of work.....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Sketch showing the locations of work done spot						

Zodha
 AE 11/7/2016

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಧೀನದಲ್ಲಿ
 ವಿದ್ಯಾರಣ್ಯಪುರ ಉಪ ವಿಭಾಗ

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~~28 | 7 | 6~~

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Added & Admitted for Rs 525050-00
530909-00 by Cheque
and Rs 40081-00 by advertisement
Kishor Kumar
Accts. Supd.
Bystaravanapudi On Bystaravanapudi
BEMF

IT- 5751.00
VAT- 23022.00
LUF- 5751.00
CBF- 576.00
4/16. LE- 5005.00

Total Due- 40089.00

Serial No..... Name of work..... Name of Contractor of nature..... Date of commencement of work.....	
Date	Full description, etc, of work
1	2